

45



SEQUENCE LISTING

<110> MIKOSHIBA, KATSUMI  
MIZUTANI, AKIHIRO

<120> RNA-BINDING PROTEIN

<130> 081356/0162

<140> 09/821,687

<141> 2001-03-30

<150> JP 2000-299812

<151> 2000-09-29

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<170> PatentIn Ver. 2.1

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<220>

<221> CDS

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aaa gct cag agg caa gca gca aag aat caa atg tat gat gat tac tac 96  
Lys Ala Gln Arg Gln Ala Ala Lys Asn Gln Met Tyr Asp Asp Tyr Tyr  
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tat tat ggt cca cct cat atg cct ccc cca aca aga ggt cga ggg cgt 144  
Tyr Tyr Gly Pro Pro His Met Pro Pro Pro Thr Arg Gly Arg Gly Arg  
35 40 45

gga ggt aga ggt ggc tat gga tat cct cca gat tat tat gga tac gaa 192  
Gly Gly Arg Gly Gly Tyr Gly Tyr Pro Pro Asp Tyr Tyr Gly Tyr Glu  
50 55 60

gat tat tat gat tat tat ggt tat gat tac cat aac tat cgt ggt gga 240  
Asp Tyr Tyr Asp Tyr Tyr Gly Tyr Asp Tyr His Asn Tyr Arg Gly Gly  
65 70 75 80

tat gaa gat cca tac tat ggt tat gaa gat ttt caa gtt gga gct aga 288  
Tyr Glu Asp Pro Tyr Gly Tyr Glu Asp Phe Gln Val Gly Ala Arg  
85 90 95

gga agg ggt ggt aga gga gca agg ggt gct gct cca tcc aga ggt cgt 336  
Gly Arg Gly Gly Arg Gly Ala Arg Gly Ala Ala Pro Ser Arg Gly Arg  
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 Tyr Tyr Gly Pro Pro His Met Pro Pro Pro Thr Arg Gly Arg Gly Arg  
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 Gly Gly Arg Gly Gly Tyr Gly Tyr Pro Pro Asp Tyr Tyr Gly Tyr Glu  
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 Tyr Glu Asp Pro Tyr Tyr Gly Tyr Glu Asp Phe Gln Val Gly Ala Arg  
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cggccccagc cccgcgggga gatctctgga aac atg gct aca gaa cat gtt aat 174
                               Met Ala Thr Glu His Val Asn
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gga aat ggt act gaa gag ccc atg gat act act tca gca gtt atc cat 222
Gly Asn Gly Thr Glu Glu Pro Met Asp Thr Thr Ser Ala Val Ile His
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Ser Glu Asn Phe Gln Thr Leu Leu Asp Ala Gly Leu Pro Gln Lys Val
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gct gaa aaa cta gat gaa att tac gtt gca ggg cta gtt gca cat agt 318
Ala Glu Lys Leu Asp Glu Ile Tyr Val Ala Gly Leu Val Ala His Ser
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Val Gln Asn Lys Ser Ala Phe Leu Cys Gly Val Met Lys Thr Tyr Arg
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Gln Arg Glu Lys Gln Gly Thr Lys Val Ala Asp Ser Ser Lys Gly Pro
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Ser Lys Val Thr Glu Gly Leu Thr Asp Val Ile Leu Tyr His Gln Pro	
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Asp Asp Lys Lys Lys Asn Arg Gly Phe Cys Phe Leu Glu Tyr Glu Asp	
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atacgggaca ttgaactaat acttggaactt tgttatgaat ttctttaaca attttctctg 2039

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Ala Gly Leu Val Ala His Ser Asp Leu Asp Glu Arg Ala Ile Glu Ala
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 Gly Gly Pro Pro Pro Asp Ser Val Tyr Ser Gly Gln Gln Pro Ser Val  
 145 150 155 160  
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 Glu Leu Val Pro Leu Phe Glu Lys Ala Gly Pro Ile Trp Asp Leu Arg  
 180 185 190  
 Leu Met Met Asp Pro Leu Thr Gly Leu Asn Arg Gly Tyr Ala Phe Val  
 195 200 205  
 Thr Phe Cys Thr Lys Glu Ala Ala Gln Glu Ala Val Lys Leu Tyr Asn  
 210 215 220  
 Asn His Glu Ile Arg Ser Gly Lys His Ile Gly Val Cys Ile Ser Val  
 225 230 235 240  
 Ala Asn Asn Arg Leu Phe Val Gly Ser Ile Pro Lys Ser Lys Thr Lys  
 245 250 255  
 Glu Gln Ile Leu Glu Glu Phe Ser Lys Val Thr Glu Gly Leu Thr Asp  
 260 265 270  
 Val Ile Leu Tyr His Gln Pro Asp Asp Lys Lys Lys Asn Arg Gly Phe  
 275 280 285  
 Cys Phe Leu Glu Tyr Glu Asp His Lys Thr Ala Ala Gln Ala Arg Arg  
 290 295 300  
 Arg Leu Met Ser Gly Lys Val Lys Val Trp Gly Asn Val Gly Thr Val  
 305 310 315 320  
 Glu Trp Ala Asp Pro Ile Glu Asp Pro Asp Pro Glu Val Met Ala Lys  
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 Val Lys Val Leu Phe Val Arg Asn Leu Ala Asn Thr Val Thr Glu Glu  
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 Lys Ala Gln Arg Gln Ala Ala Lys Asn Gln Met Tyr Asp Asp Tyr Tyr  
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 Tyr Tyr Gly Pro Pro His Met Pro Pro Pro Thr Arg Gly Arg Gly Arg  
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Ile Phe Gln Thr Gly Leu Val Ala Tyr Val Asp Leu Asp Glu Arg Ala  
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Ile Asp Ala Leu Arg Glu Phe Asn Glu Glu Gly Ala Leu Ser Val Leu  
65 70 75 80

Gln Gln Phe Lys Glu Ser Asp Leu Ser His Val Gln Asn Lys Ser Ala  
85 90 95

Phe Leu Cys Gly Val Met Lys Thr Tyr Arg Gln Arg Glu Lys Gln Gly  
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Ser Lys Val Gln Glu Ser Thr Lys Gly Pro Asp Glu Ala Lys Ile Lys  
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Ala Leu Leu Glu Arg Thr Gly Tyr Thr Leu Asp Val Thr Thr Gly Gln  
130 135 140

Arg Lys Tyr Gly Gly Pro Pro Pro Asp Ser Val Tyr Ser Gly Val Gln  
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Pro Gly Ile Gly Thr Glu Val Phe Val Gly Lys Ile Pro Arg Asp Leu  
165 170 175

Tyr Glu Asp Glu Leu Val Pro Leu Phe Glu Lys Ala Gly Pro Ile Trp  
180 185 190

Asp Leu Arg Leu Met Met Asp Pro Leu Ser Gly Gln Asn Arg Gly Tyr  
195 200 205

Ala Phe Ile Thr Phe Cys Gly Lys Glu Ala Ala Gln Glu Ala Val Lys  
210 215 220

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Leu Cys Asp Ser Tyr Glu Ile Arg Pro Gly Lys His Leu Gly Val Cys  
 225 230 235 240  
 Ile Ser Val Ala Asn Asn Arg Leu Phe Val Gly Ser Ile Pro Lys Asn  
 245 250 255  
 Lys Thr Lys Glu Asn Ile Leu Glu Glu Phe Ser Lys Val Thr Glu Gly  
 260 265 270  
 Leu Val Asp Val Ile Leu Tyr His Gln Pro Asp Asp Lys Lys Lys Asn  
 275 280 285  
 Arg Gly Phe Cys Phe Leu Glu Tyr Glu Asp His Lys Ser Ala Ala Gln  
 290 295 300  
 Ala Arg Arg Arg Leu Met Ser Gly Lys Val Lys Val Trp Gly Asn Val  
 305 310 315 320  
 Val Thr Val Glu Trp Ala Asp Pro Val Glu Glu Pro Asp Pro Glu Val  
 325 330 335  
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 340 345 350  
 Thr Glu Glu Ile Leu Glu Lys Ser Phe Ser Glu Phe Gly Lys Leu Glu  
 355 360 365  
 Arg Val Lys Lys Leu Lys Asp Tyr Ala Phe Val His Phe Glu Asp Arg  
 370 375 380  
 Gly Ala Ala Val Lys Ala Met Asp Glu Met Asn Gly Lys Glu Ile Glu  
 385 390 395 400  
 Gly Glu Glu Ile Glu Ile Val Leu Ala Lys Pro Pro Asp Lys Lys Arg  
 405 410 415  
 Lys Glu Arg Gln Ala Ala Arg Gln Ala Ser Arg Ser Thr Ala Tyr Glu  
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 Asp Tyr Tyr Tyr His Pro Pro Pro Arg Met Pro Pro Pro Ile Arg Gly  
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 450 455 460  
 Tyr Gly Tyr Glu Asp Tyr Tyr Asp Asp Tyr Tyr Gly Tyr Asp Tyr His  
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 Asp Tyr Arg Gly Gly Tyr Glu Asp Pro Tyr Tyr Gly Tyr Asp Asp Gly  
 485 490 495  
 Tyr Ala Val Arg Gly Arg Gly Gly Gly Arg Gly Gly Arg Gly Ala Pro  
 500 505 510  
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Tyr Ser Gln Arg Gly Ala Pro Leu Gly Pro Pro Arg Gly Ser Arg Gly  
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Gly Arg Gly Gly Pro Ala Gln Gln Gln Arg Gly Arg Gly Ser Arg Gly  
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565 570 575

Gly Tyr Asn Gln Pro Asp Ser Lys Arg Arg Gln Thr Asn Asn Gln Gln  
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Asn Trp Gly Ser Gln Pro Ile Ala Gln Gln Pro Leu Gln Gln Gly Gly  
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35 40 45

Arg Asn Leu Ala Thr Thr Val Thr Glu Glu Ile Leu Glu Lys Ser Phe  
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Ser Glu Phe Gly Lys Leu Glu Arg Val Lys Lys Leu Lys Asp Tyr Ala  
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Phe Val His Phe Glu Asp Arg Gly Ala Ala Val Lys Ala Met Asp Glu  
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Met Asn Gly Lys Glu Ile Glu Gly Glu Glu Ile Glu Ile Val Leu Ala  
100 105 110

Lys Pro Pro Asp Lys Lys Arg Lys Glu Arg Gln Ala Ala Arg Gln Ala  
115 120 125

Ser Arg Ser Thr Ala Tyr Glu Asp Tyr Tyr Tyr His Pro Pro Pro Arg  
130 135 140

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Met Pro Pro Pro Met Arg Gly Arg Gly Arg Gly Gly Arg Gly Gly Tyr  
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 Gly Tyr Pro Pro Asp Tyr Tyr Gly Tyr Glu Asp Tyr Tyr Asp Asp Tyr  
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 Tyr Gly Tyr Asp Tyr His Asp Tyr Arg Gly Gly Tyr Glu Asp Pro Tyr  
 180 185 190  
 Tyr Gly Tyr Asp Asp Gly Tyr Ala Val Arg Gly Arg Gly Gly Gly Arg  
 195 200 205  
 Gly Gly Arg Gly Ala Pro Pro Pro Pro Arg Gly Arg Gly Ala Pro Pro  
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 Pro Arg Gly Arg Ala Gly Tyr Ser Gln Arg Gly Ala Pro Leu Gly Pro  
 225 230 235 240  
 Pro Arg Gly Ser Arg Gly Gly Arg Gly Gly Pro Ala Gln Gln Gln Arg  
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 Gly Arg Gly Ser Arg Gly Ala Arg Gly Asn Arg Gly Gly Asn Val Gly  
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 275 280 285  
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 Pro Leu Gln Gln Gly Gly Asp Tyr Ser Gly Asn Tyr Gly Tyr Asn Asn  
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 Asp Asn Gln Glu Phe Tyr Gln Asp Thr Tyr Gly Gln Gln Trp Lys  
 325 330 335

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